

Approved For Release 2001/08/20 : CIA-RDP78T05439A000300230002-5

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PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

NB
1-18-63

KMERSON SHEPYARD

GP/1 - 129

1 November 1955

Declass Review by NIMA/DOD

CENTRAL INTELLIGENCE AGENCY
Office of Research and Reports

S-E-C-R-E-T

CP/I.129
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PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

KHERSON SHIPYARD

This report presents the results of a photo intelligence study of a new shipyard. The yard, see enclosure 1, is located approximately 1 mile south of Kherson (U.S.S.R.) on the west bank of the Dniepr River.

The study is based on ground photography exposed during late September or early October 1954. No data as to camera, focal length, camera orientation, etc. are available and as a result determination of sizes has been based on the extension of the known size of a tanker rather than on more precise photogrammetric techniques. It is probable therefore that sizes given may be in error as much as plus or minus 15%. Locations of structures and azimuthal orientations shown are probably accurate.

In addition to the photography all available ground intelligence relating to the shipyard has been examined in the light of the available photography. Such information as has shown itself compatible with the photography has been accepted as valid and has been included in this report.

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Enclosure 2 to this report presents a layout of the visible portions of the plant. Key items are numbered on the layout and are described as follows:

1. Two side by side vessel assembly areas. The areas are enclosed and covered by a structural steel frame work that supports two overhead traveling cranes for each of the vessels under construction. The structure is approximately 550 ft. long, 170 ft. wide and 105 ft. high.
2. Probable rail lines for portal jib cranes.
3. Four portal jib cranes, two of which service each side of the fitting out area enclosed by the portal track ways. Note that this area is capable of handling 2 vessels abreast and two in line.
4. Vessel undergoing what appears to be final fitting out and painting. Vessel length approximately 430 ft.
5. This area appears to be an enclosed basin. Although the side away from the river is not visible on the photography it is believed that the lock gates at (6) are adequate evidence of its existence. The basin is approximately 550 feet long. The existence of two sets of locks indicate an extension of the parallel construction ways that show at (1) through (4). There are no indications of the method used to move hulls and vessels.

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6. The aforementioned lock gates serving the basin (5).
7. Probable pump house for lowering or raising basin water level.
8. Sub-assembly building. Approximately 500 feet wide, possibly 700 feet or more in length and 60 feet in height. A large hangar-type door in this building that aligns with an opening in the steel frame work of (1) suggests the existence of rail lines for moving sub-assemblies from construction areas in bldg. (8) via rail line or lines (9) to the vessel assembly area (1).
9. Probable rail line or lines.
10. A three story high, flat roofed building of unknown length joining building (8) to bldg. (11).
11. A long narrow 2 story building, approximately 30 feet high and 40 feet wide; probably small component manufacturing.
12. A 2 story office-type building, 24 feet high; possibly small parts storage or manufacture.
13. A 2 story building with few windows; possible storage for inflammable materials.
14. Two long, 1 story, barrack-type buildings; possible machine or repair shops for yard.

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15. A small, 30 foot high, building with inclined conveyor to its top; purpose or use unknown.
16. Barrack-type buildings, single story.
17. Wharf. Photography shows a small 100 foot long ferry alongside. The presence of a gondola-type freight car indicates this area is served by rail line.
18. A three-sided storage shed; probably used for vehicle storage.
19. Single story barracks-type building.
20. " " " " "
21. " " " " "
22. " " " " "
23. " " " " "
24. " " " " "
25. A two story, stone and brick, office buildings; probably yard administration and/or engineering.
26. Same as 25.

All other buildings appear to be small one-story storage sheds of wood construction.



